

What is claimed is:

1. An additive composition for a transmission oil comprising:
    - a) an oil dispersion of hexagonal boron nitride; and
    - b) a viscosity index improver selected from the group consisting of
      - i) a polymethacrylate,
      - ii) a dispersant polymethacrylate, and
      - iii) a dispersant olefin copolymer.
- wherein the weight ratio of the oil dispersion of hexagonal boron nitride to the viscosity index improver is in the range of from about 99:1 to about 1:99.
2. The additive composition according to Claim 1, wherein the weight ratio of the oil dispersion of hexagonal boron nitride to the viscosity index improver copolymer is in the range of from about 5:95 to about 95:5.
  3. The additive composition according to Claim 1, wherein the oil dispersion of hexagonal boron nitride has a particle size distribution wherein 90% or greater of the particles are less than about 0.5 microns.
  4. The additive composition according to Claim 1, wherein the oil dispersion of hexagonal boron nitride contains an oil of lubricating viscosity and from about 1 to about 50 wt % of hexagonal boron nitride solids, based on the total weight of the oil dispersion.
  5. The additive composition according to Claim 4, wherein the oil dispersion of hexagonal boron nitride further contains a surfactant as a stabilizer.
  6. The additive composition according to Claim 1, wherein the oil dispersion of hexagonal boron nitride is present in the additive composition in the

range of from about 10 to about 90 wt %, based on the total weight of the additive composition.

- 5           7.       The additive composition according to Claim 1, wherein the polymethacrylate contains short chain, intermediate chain or long chain hydrocarbon side chains.
- 10           8.       The additive composition according to Claim 1, wherein the dispersant polymethacrylate contains short chain, intermediate chain or long chain dispersant hydrocarbon side chains.
- 15           9.       The additive composition according to Claim 1, wherein the dispersant olefin copolymer is a dispersant ethylene-propylene olefin copolymer.
10.       The additive composition according to Claim 1, further comprising an oil dispersion of hydrated alkali metal borate.
11.       The additive composition according to Claim 10, wherein the alkali metal in the hydrated alkali metal borate is sodium or potassium.
- 20           12.       The additive composition according to Claim 11, wherein the alkali metal is potassium.
13.       The additive composition according to Claim 10, wherein the hydrated alkali metal borate is hydrated potassium triborate.
14.       The additive composition according to Claim 10, wherein the oil dispersion of hydrated alkali metal borate contains a hydrated alkali metal borate, a dispersant and an oil of lubricating viscosity.
- 25           15.       The additive composition according to Claim 14, wherein the oil dispersion of hydrated alkali metal borate contains from about 10 to about 75 wt % of the hydrated alkali metal borate, based on the total weight of the oil dispersion.
- 30

16. The additive composition according to Claim 15, wherein the oil dispersion of hydrated alkali metal borate contains from about 2 to about 40 wt % of the dispersant, based on the total weight of the oil dispersion.
- 5 17. The additive composition according to Claim 16, wherein the oil dispersion of hydrated alkali metal borate further contains a detergent.
18. The additive composition according to Claim 17, wherein the oil dispersion of hydrated alkali metal borate contains from about 0.2 to about 10 wt % of the detergent, based on the total weight of the oil dispersion.
- 10 19. The additive composition according to Claim 10, wherein the oil dispersion of hydrated alkali metal borate is present in the additive composition in the range of from about 10 to about 90 wt %, based on the total weight of the additive composition.
- 15 20. A lubricating oil composition comprising a major amount of a transmission oil of lubricating viscosity and an effective synchronizer sticking reducing amount of an additive composition comprising:
- a) an oil dispersion of hexagonal boron nitride; and
  - b) a viscosity index improver selected from the group consisting of
    - i) a polymethacrylate,
    - ii) a dispersant polymethacrylate, and
    - 20 iii) a dispersant olefin copolymer,
- wherein the weight ratio of the oil dispersion of hexagonal boron nitride to the viscosity index improver is in the range of 99:1 to about 1:99.
- 25 21. The lubricating oil composition according to Claim 20, wherein the weight ratio of the oil dispersion of hexagonal boron nitride to the viscosity enhancing copolymer is in the range of from about 5:95 to about 95:5.

22. The lubricating oil composition according to Claim 20, wherein the lubricating oil composition contains from about 1 to about 20 wt % of the additive composition, based on the total weight of the lubricating oil composition.
- 5 23. The lubricating oil composition according to Claim 20, wherein the transmission oil is a manual transmission gear oil.